ABSTRACT OF THE DISCLOSURE

Storage mediums and a computer-implemented method for automating web navigation and content extraction are provided. In particular, a storage medium with program components which are executable through a common application program interface and are utilizable by a developer to write programming instructions is provided. In some cases, the storage medium may include a program component for adaptively navigating through one or more websites and another program component for extracting scripted content from the one or more websites. In addition or alternatively, the storage medium may include a program component for standardizing content on a web page. In some cases, the storage medium may be configured to allow a user to include XPath query language in program instructions written from the storage medium. A storage medium comprising program instructions executable using a processor for performing such functions and a computer-implemented method employing such processes are also provided herein.